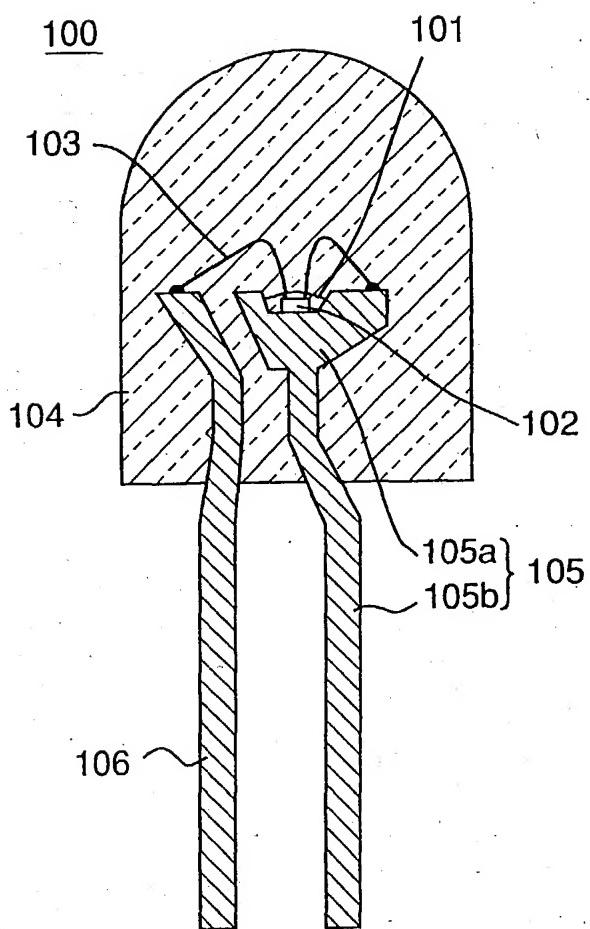
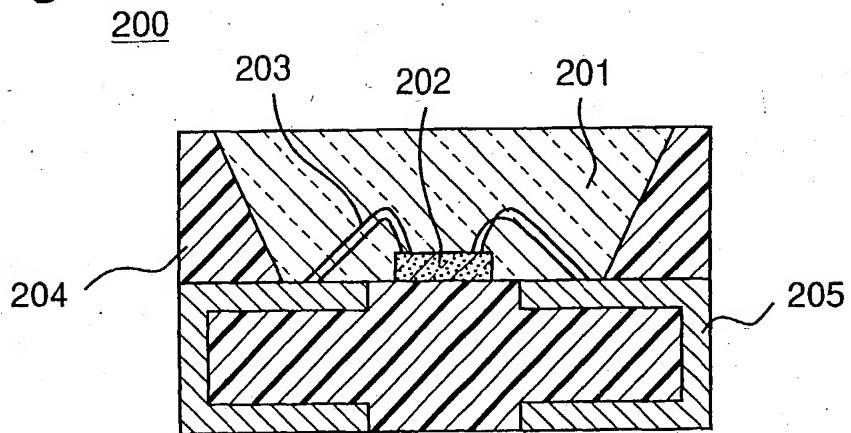


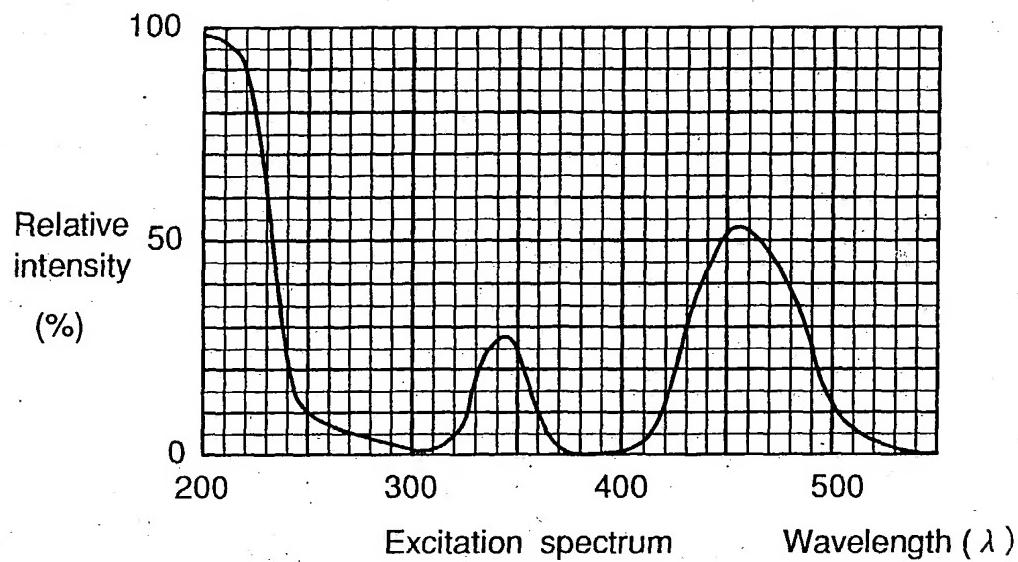
*Fig. 1*



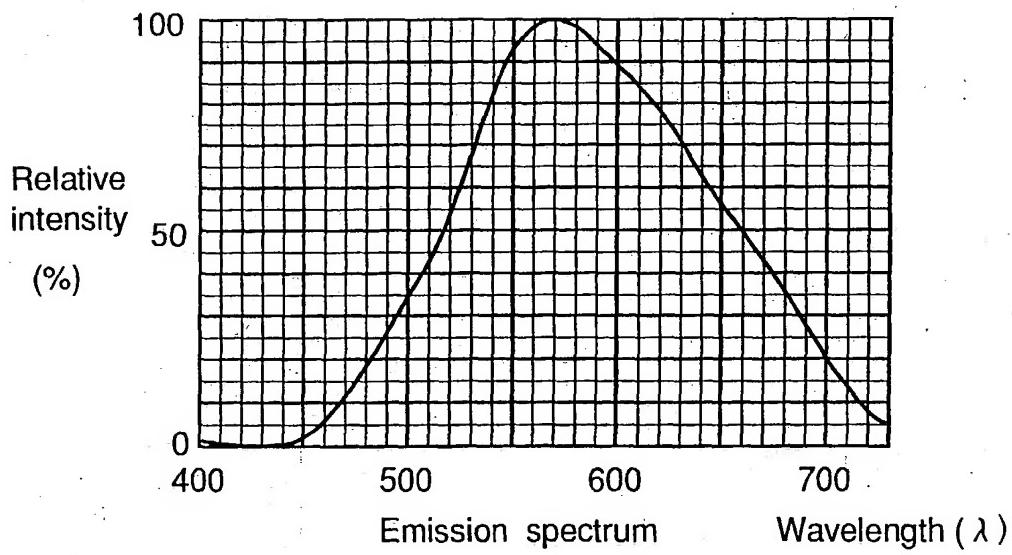
*Fig. 2*



*Fig.3A*

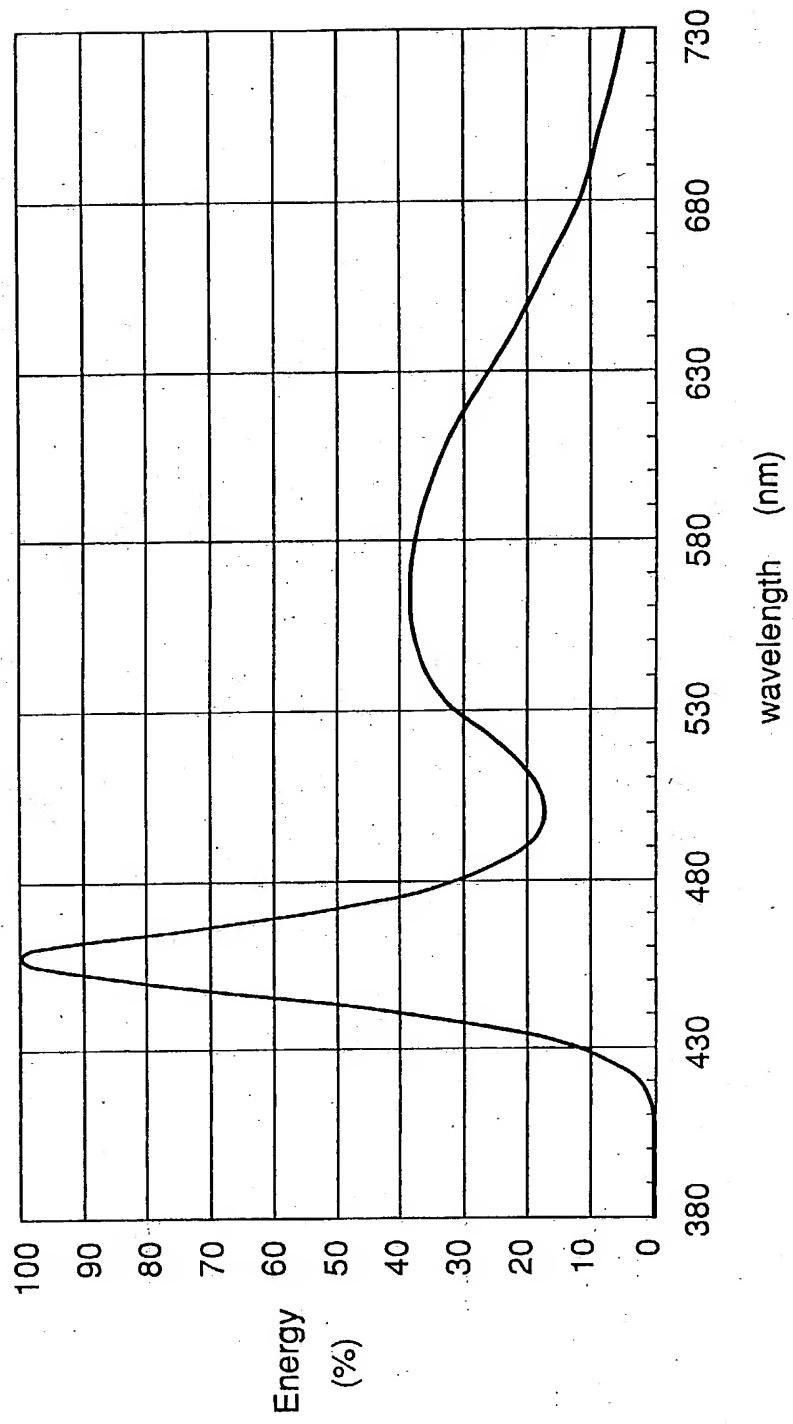


*Fig.3B*

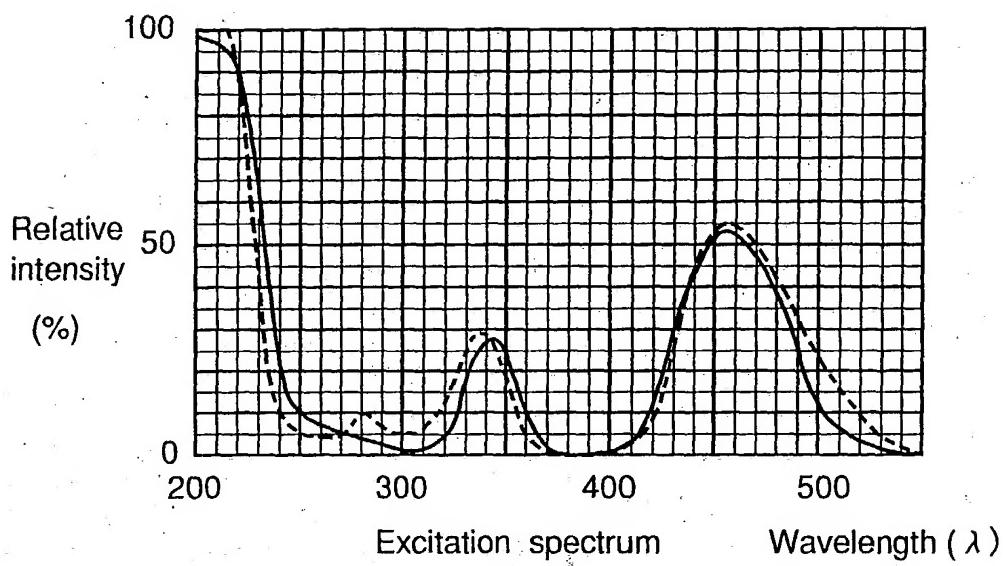


*Fig. 4*

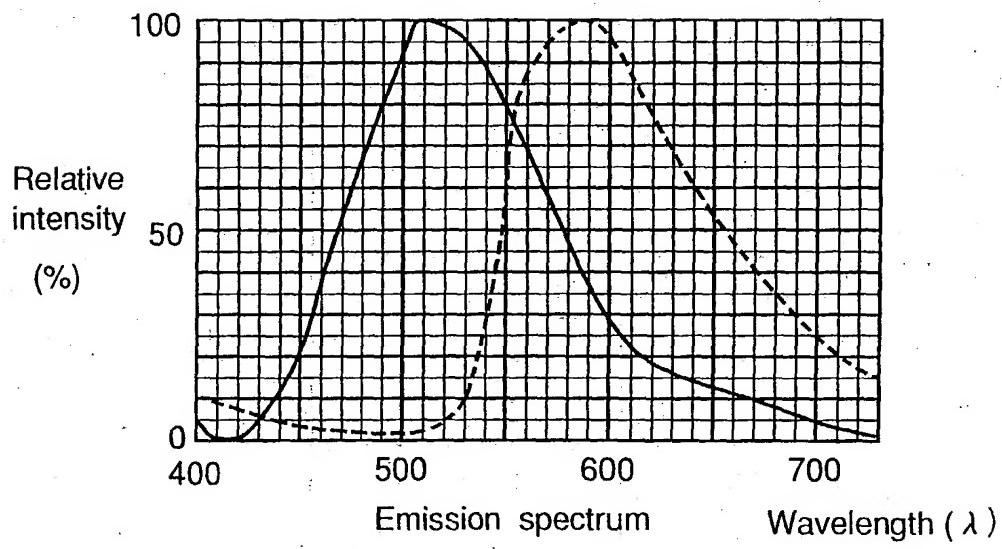
Emission spectrum



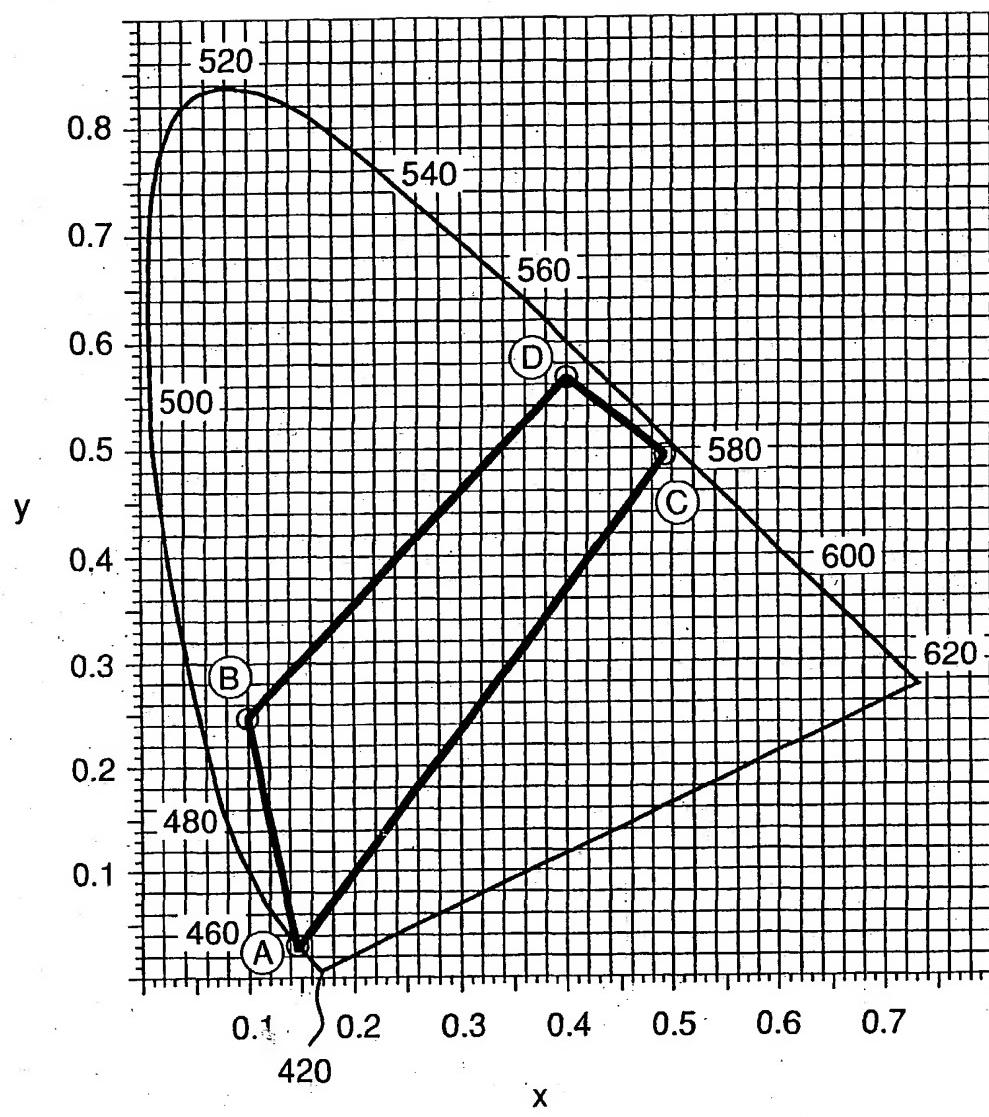
*Fig.5A*



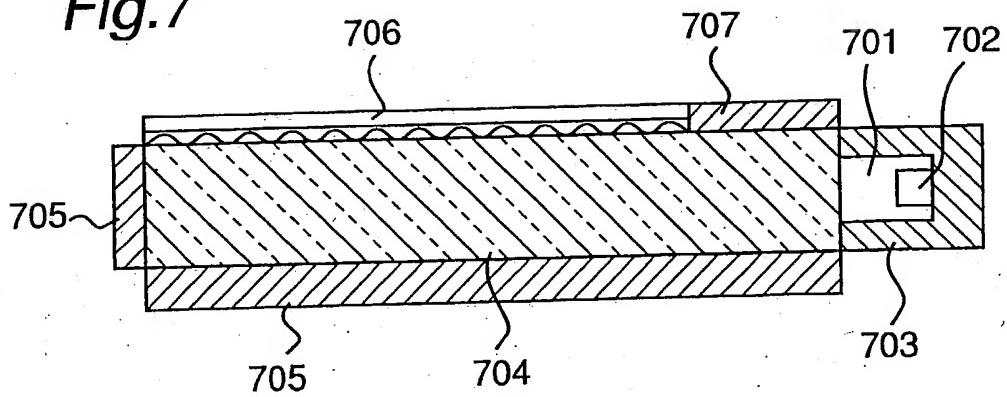
*Fig.5B*



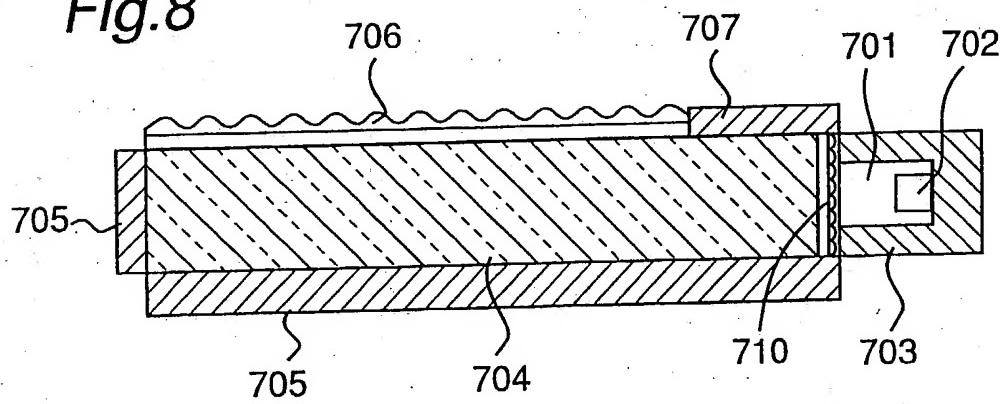
*Fig.6*



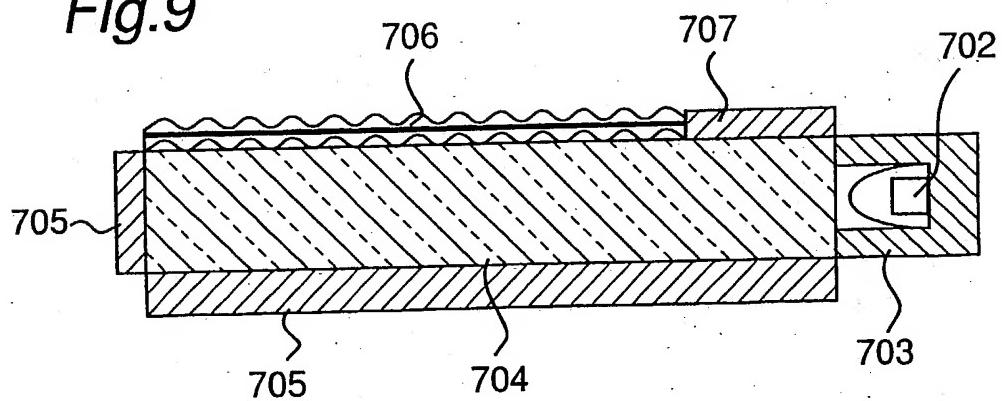
*Fig.7*



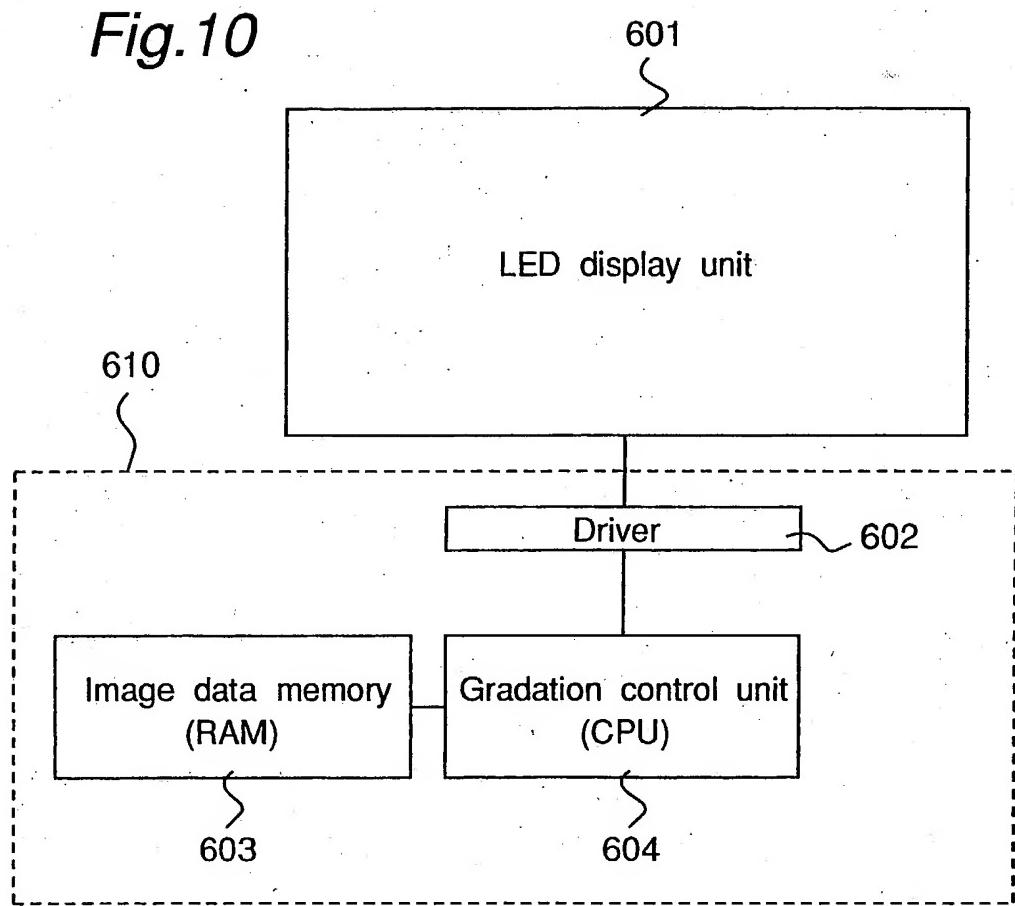
*Fig.8*



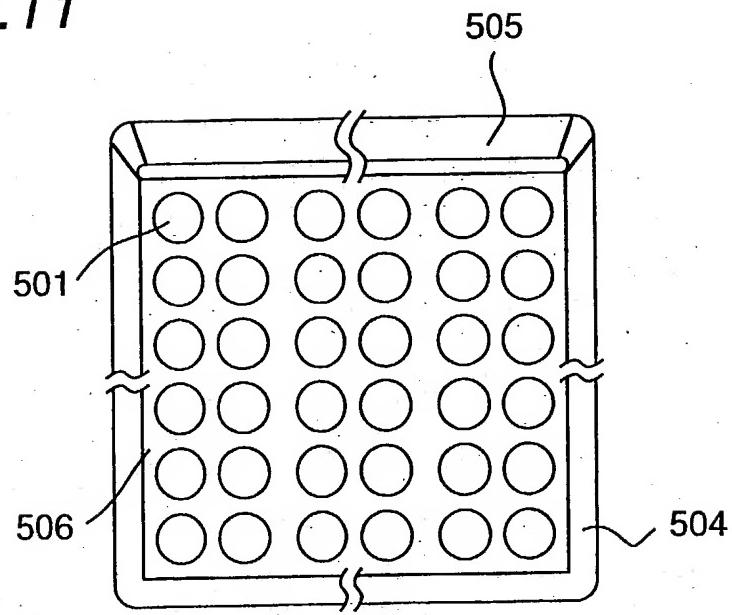
*Fig.9*



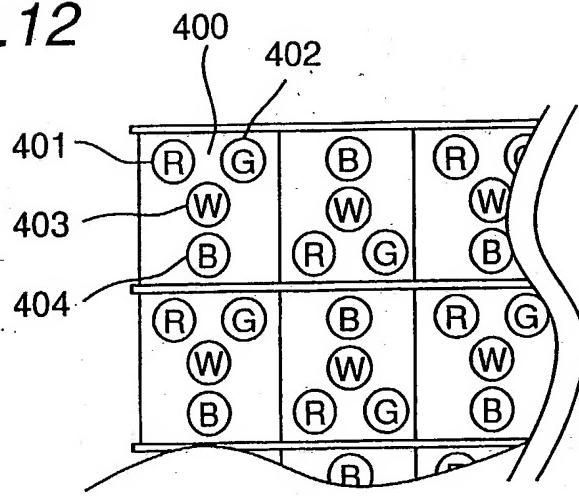
*Fig.10*



*Fig. 11*

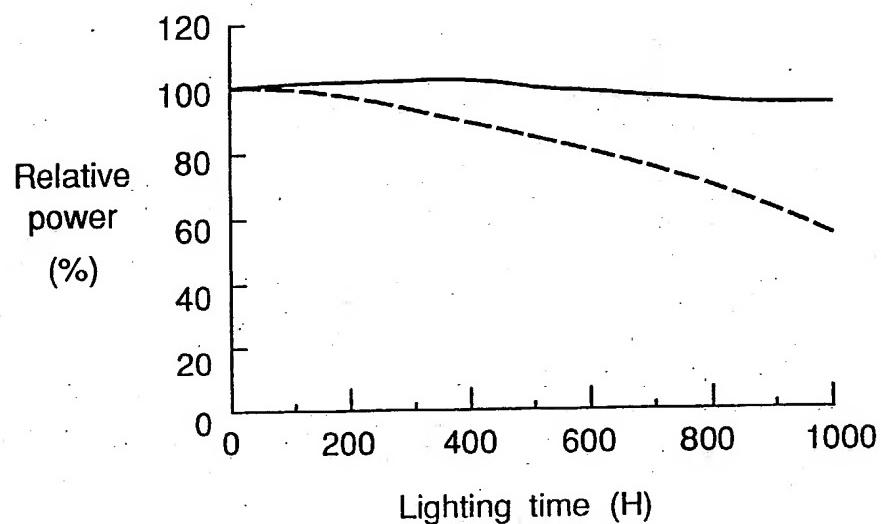


*Fig. 12*



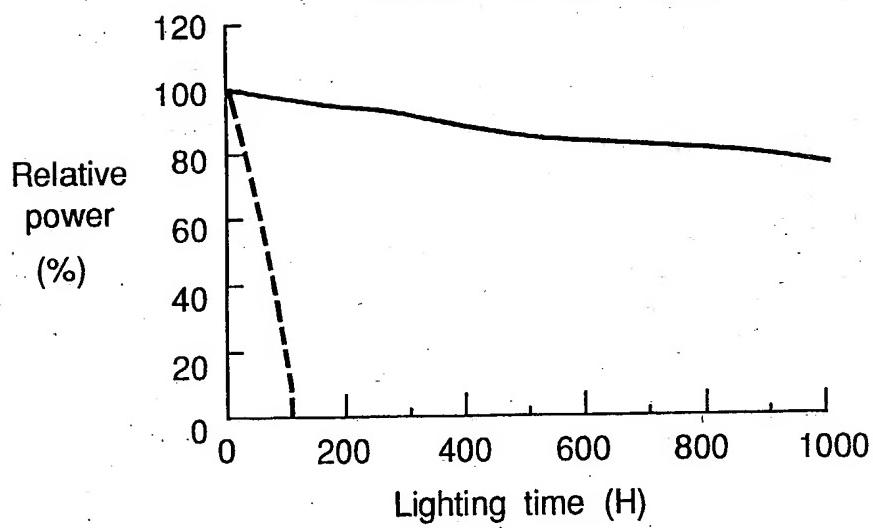
*Fig. 13A*

Life test  
 $I_f=20\text{mA}$   $T_a=25^\circ\text{C}$

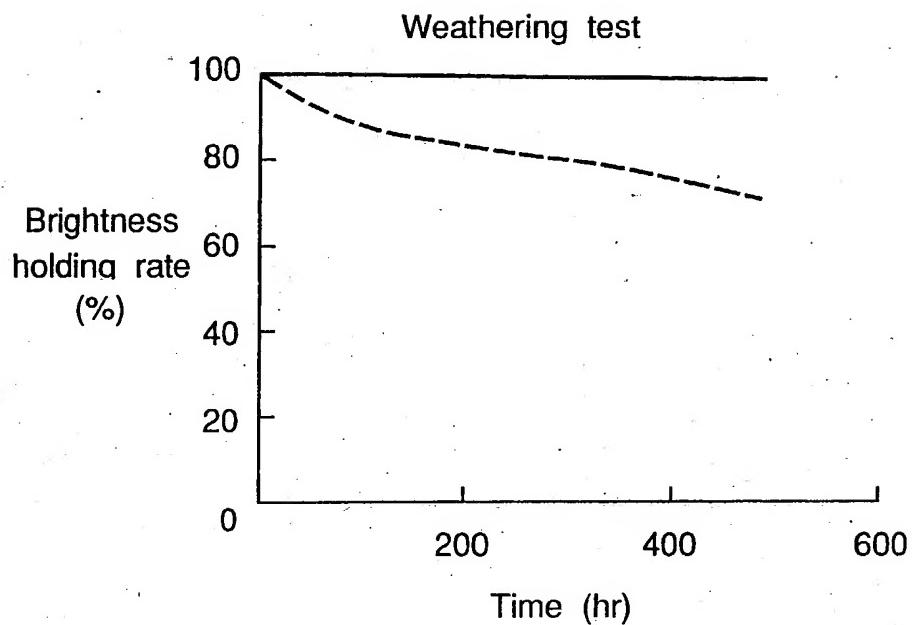


*Fig. 13B*

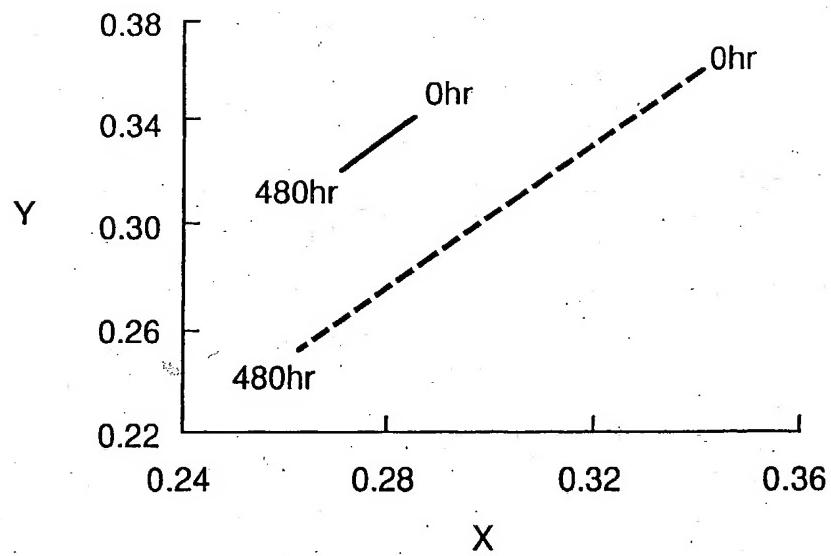
Life test  
 $I_f=20\text{mA}$   $T_a=60^\circ\text{C}$  90%RH



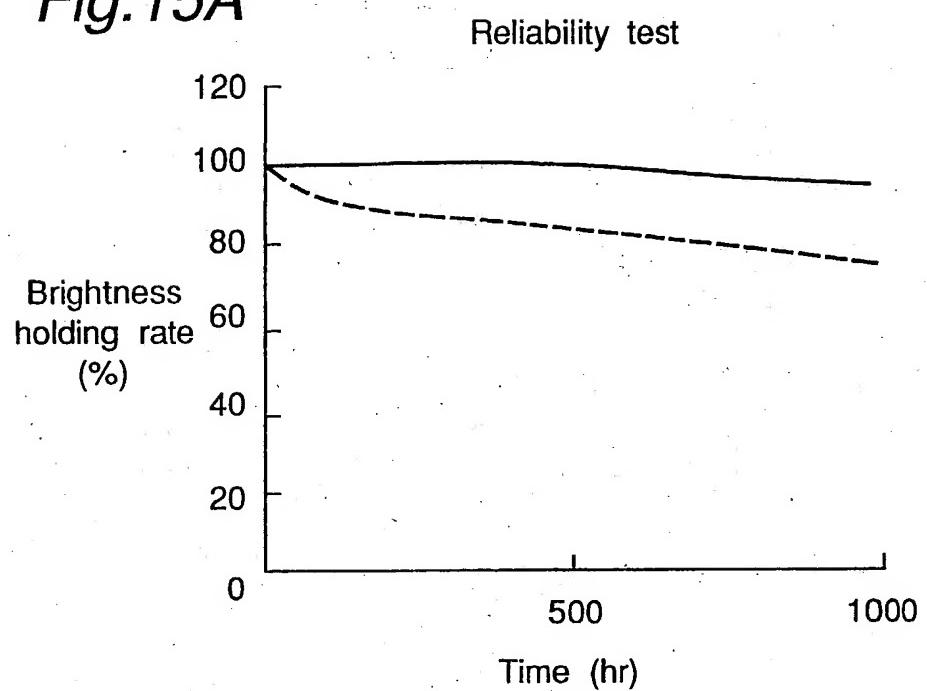
*Fig. 14A*



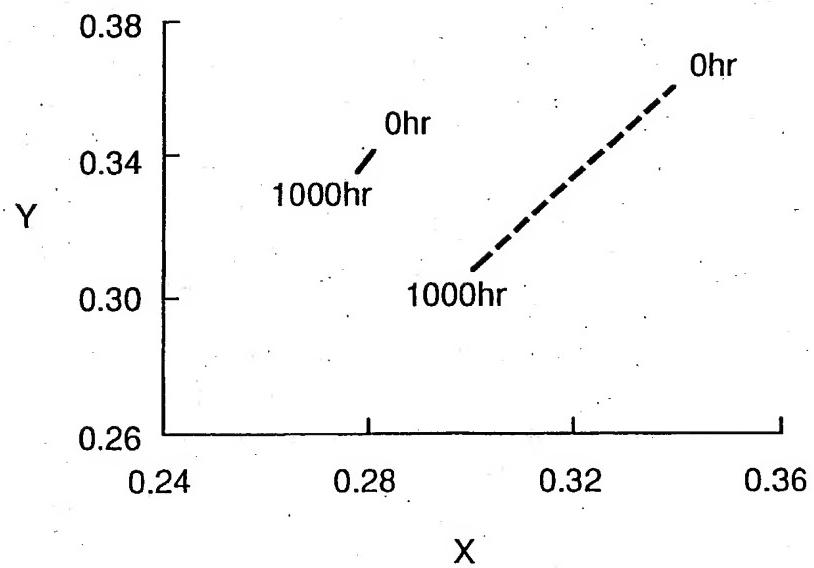
*Fig. 14B*



*Fig. 15A*



*Fig. 15B*



*Fig. 16*

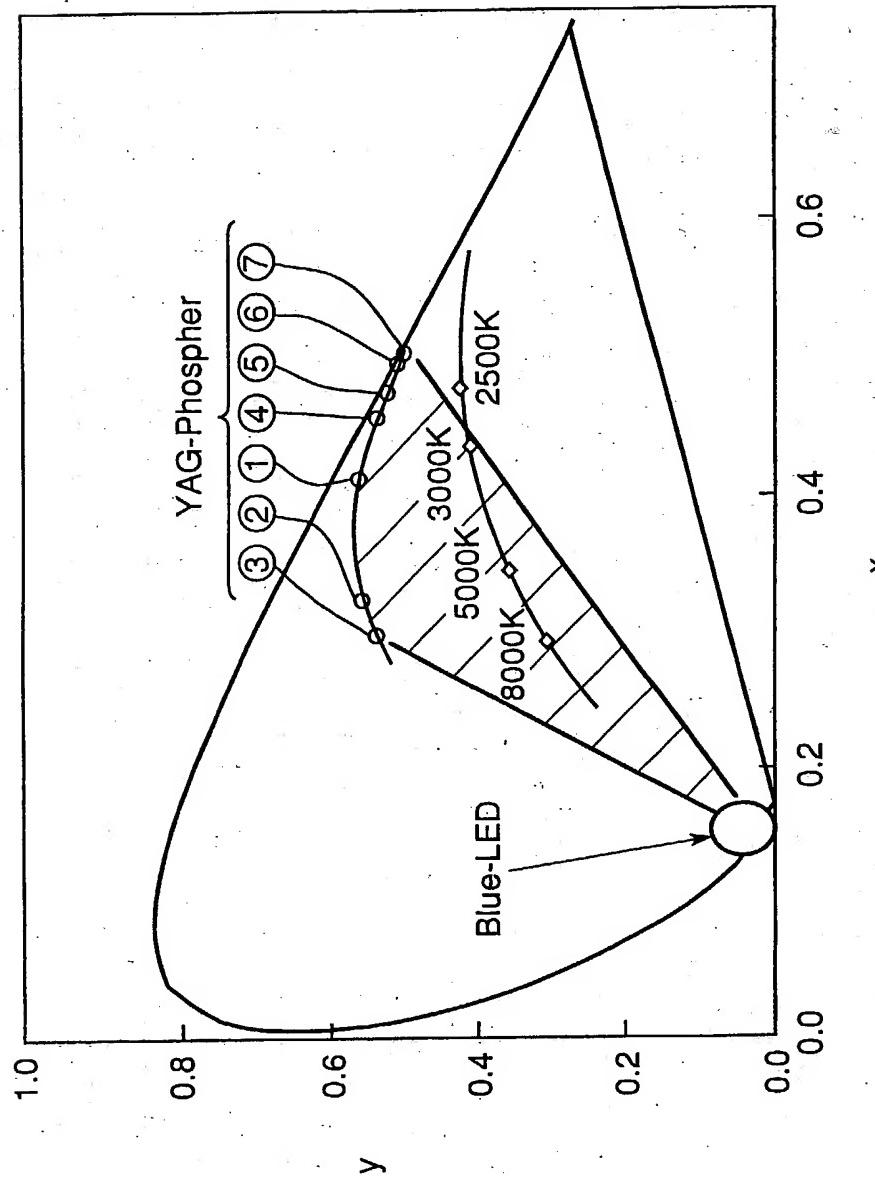
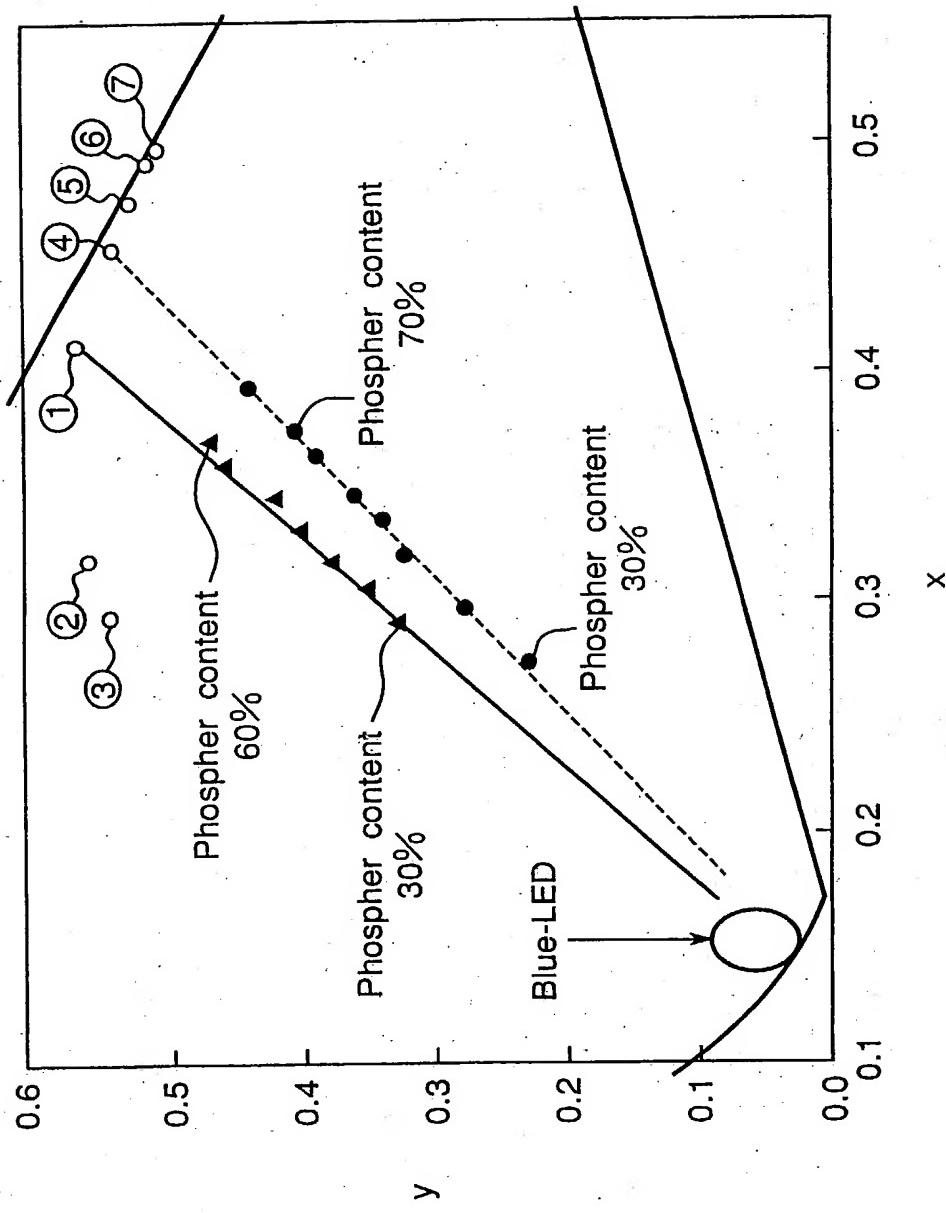
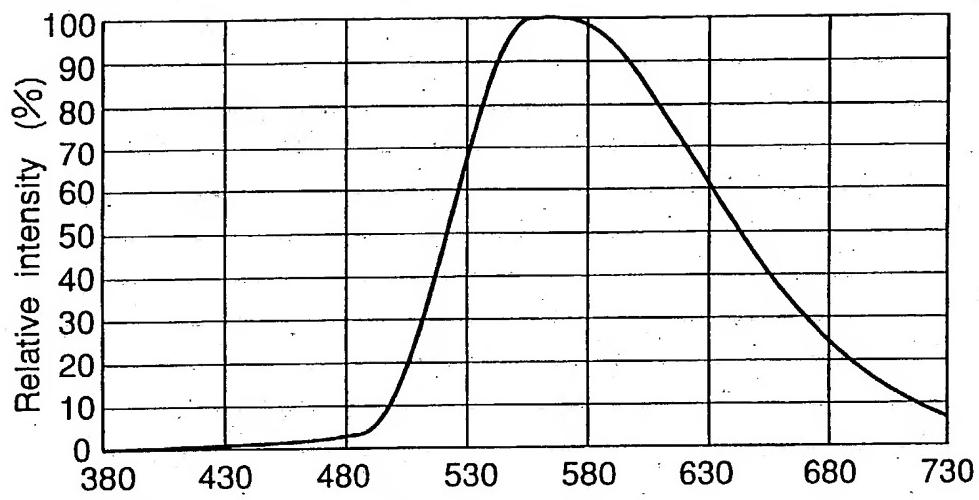


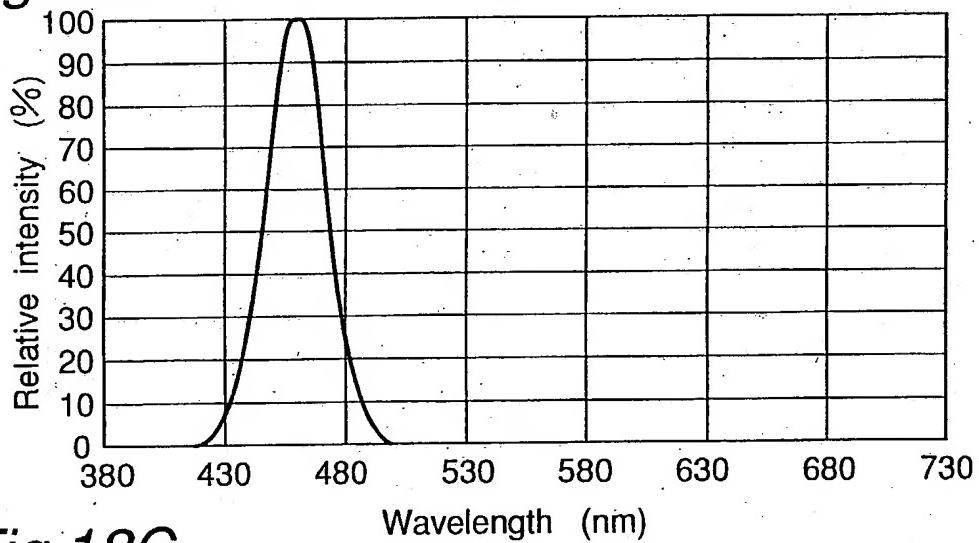
Fig. 17



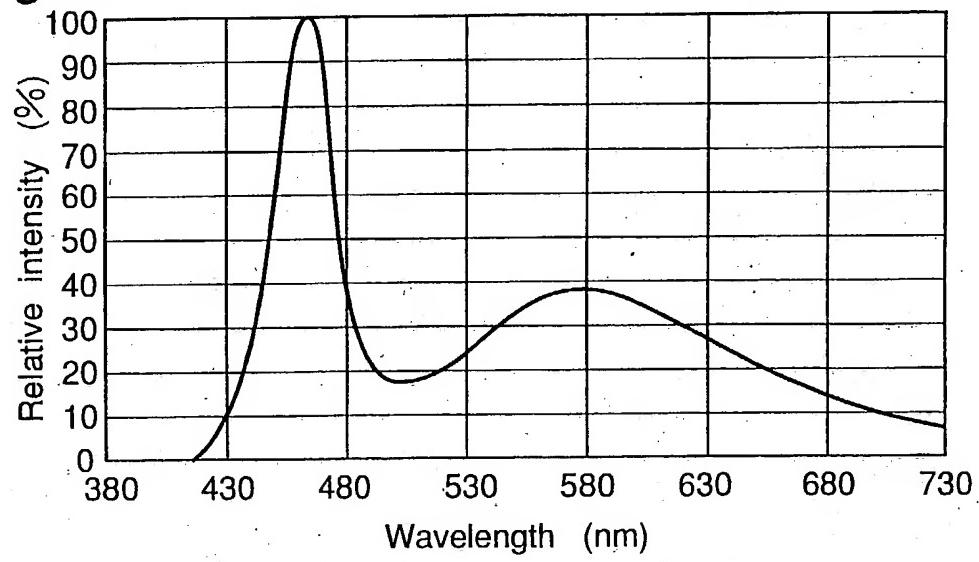
*Fig. 18A*



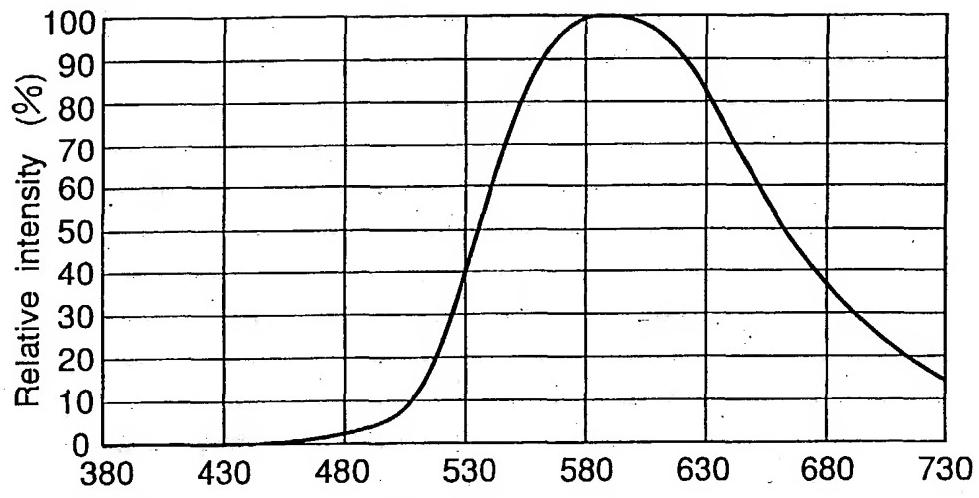
*Fig. 18B*



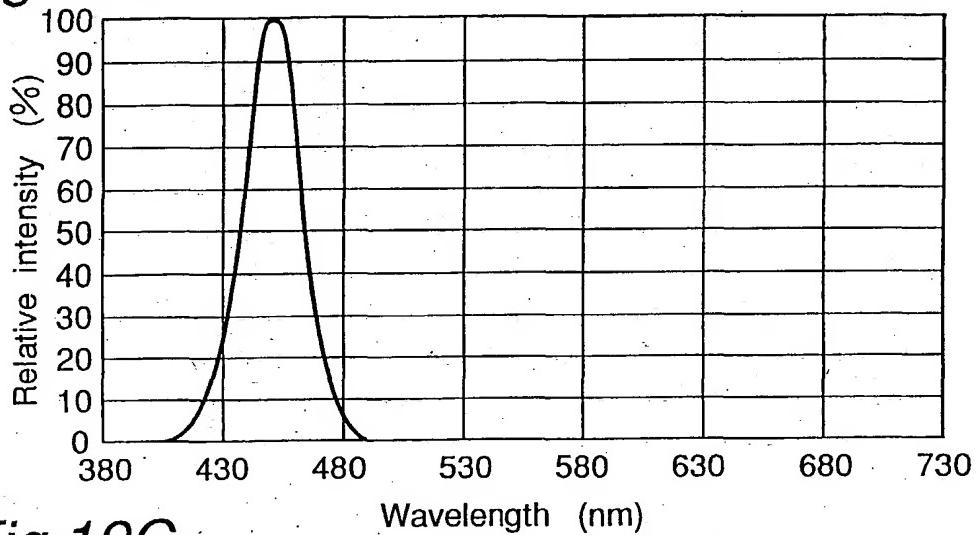
*Fig. 18C*



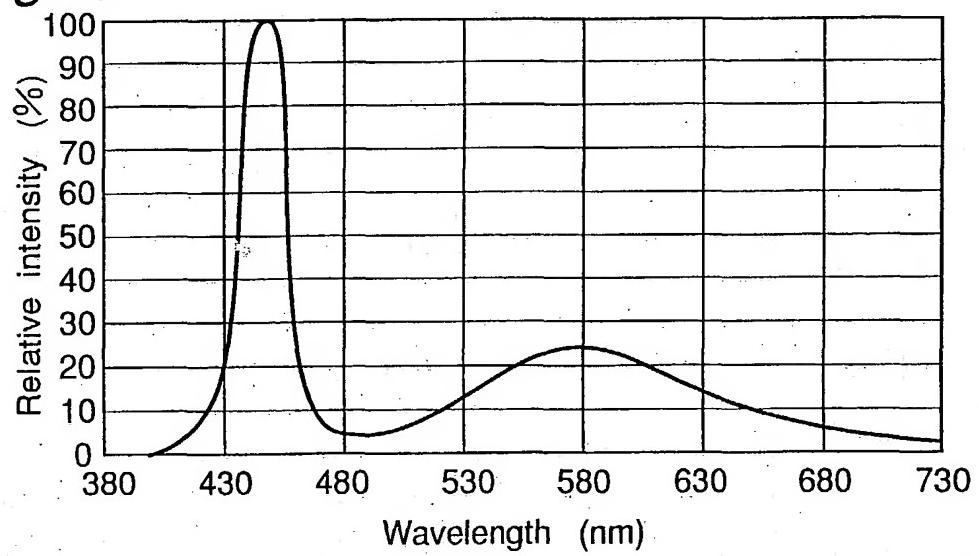
*Fig. 19A*



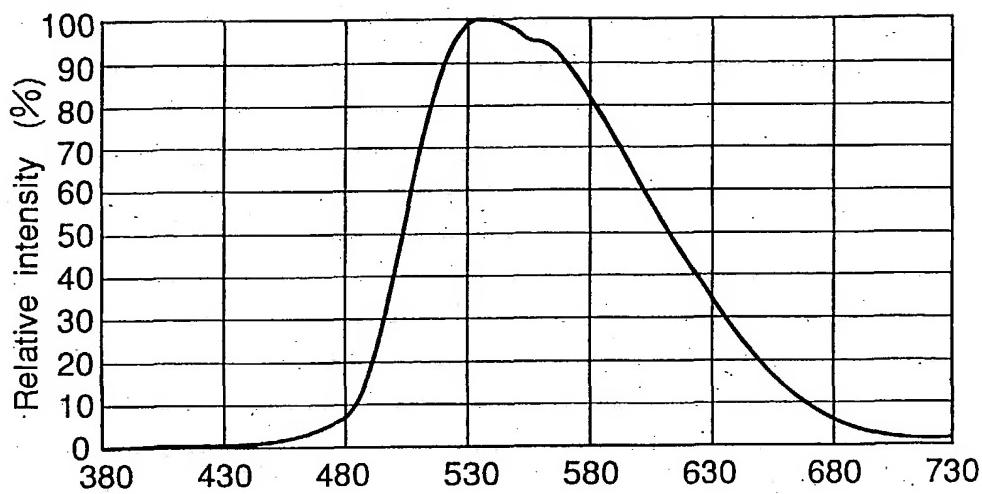
*Fig. 19B*



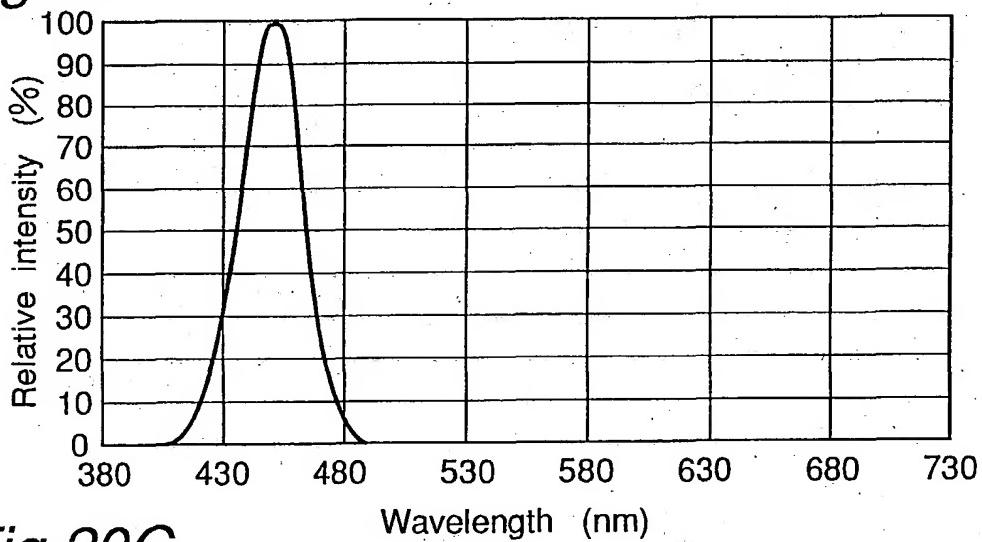
*Fig. 19C*



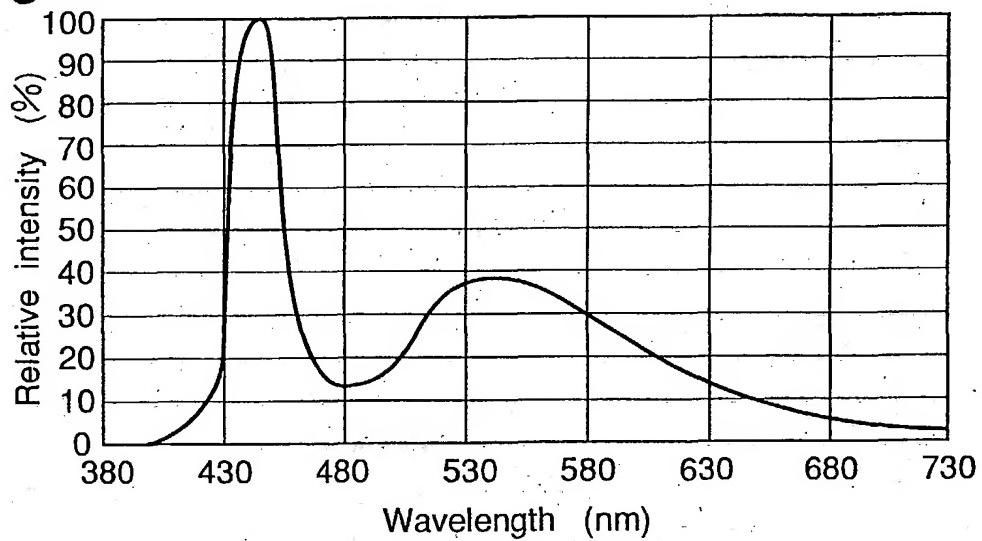
*Fig.20A*



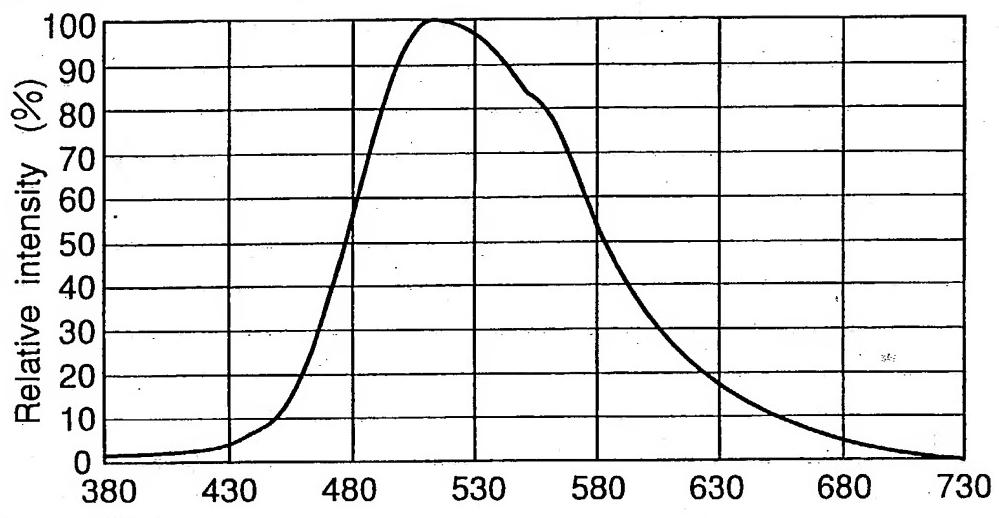
*Fig.20B*



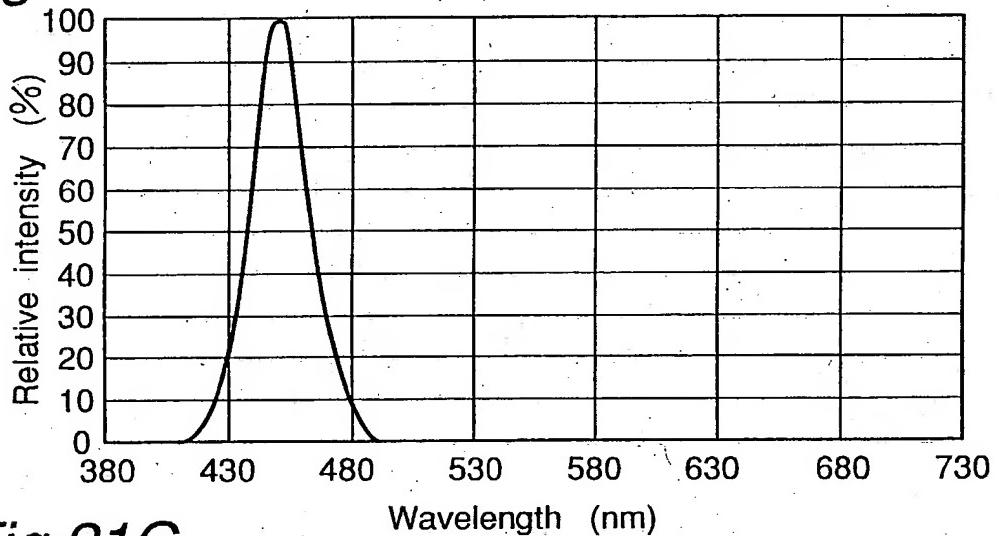
*Fig.20C*



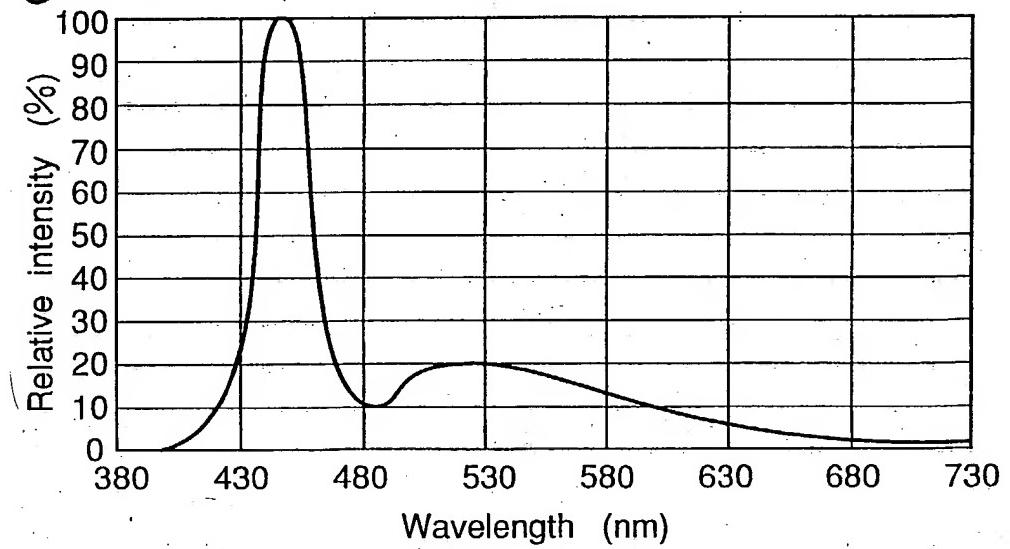
*Fig.21A*



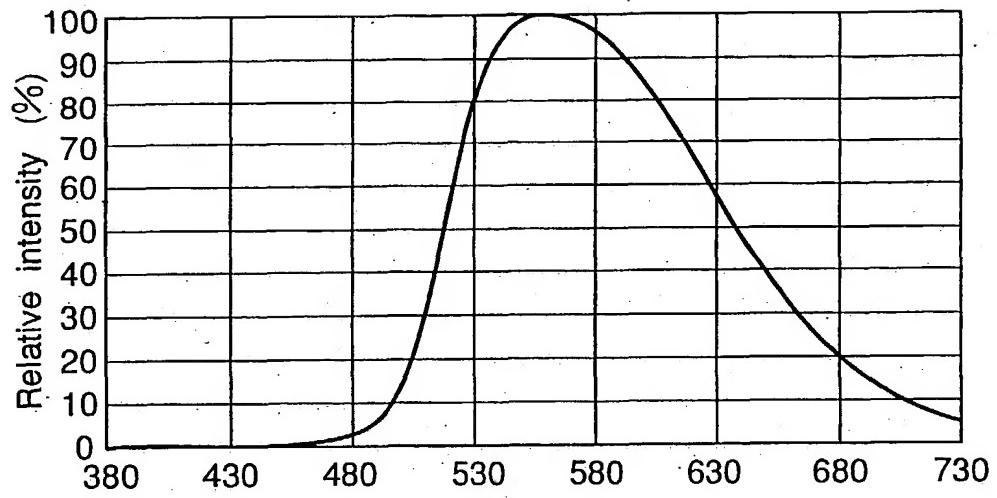
*Fig.21B*



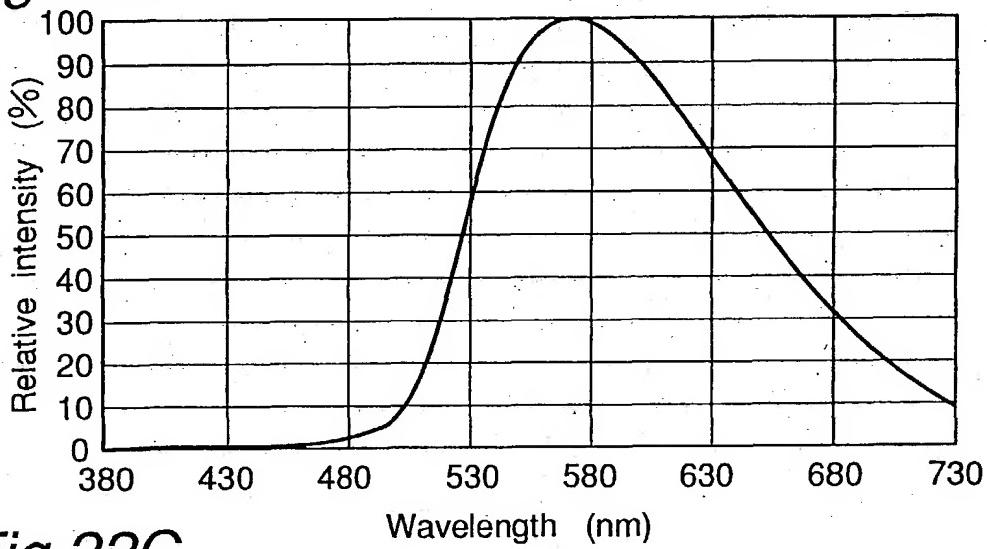
*Fig.21C*



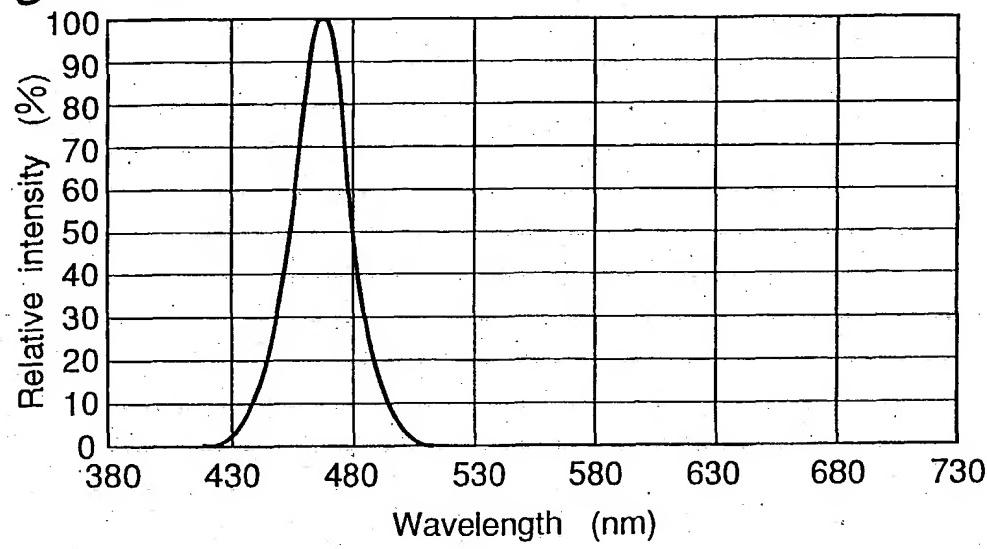
*Fig.22A*



*Fig.22B*



*Fig.22C*



*Fig.23*

